

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Previously Presented) A composite body for absorbing an electromagnetic wave including a thermoplastic resin consisting of at least one of polypropylene and methylpentene polymer blended with 30-58% by volume of soft magnetic material powder having a scale-like shape and an aspect ratio of 3-20 and a mean particle diameter converted to spherical diameter of 5-50 μm , comprising a unit cell having a bore extending from a top face to a bottom face, wherein

a portion of said bore located on a side of said bottom face has a smaller cross-sectional area than that of said bore at said top face, and

a height of said unit cell from the bottom face to said top face is at least 1.2 times and at most 10 times as large as the maximum width of said bore at the top face of said unit cell.

2. (Previously Presented) The composite body for absorbing an electromagnetic wave according to claim 1, wherein a concave portion is provided around said bore to extend from the bottom face of said unit cell to the top face of said unit cell.

3. (Previously Presented) The composite body for absorbing an electromagnetic wave according to claim 2, wherein

said concave portion surrounds said bore, and forms a cylindrical portion surrounding said bore on a side of the bottom face of said unit cell.

4. (Previously Presented) The composite body for absorbing an electromagnetic wave according to claim 3, comprising a rib connecting said cylindrical portions.

Claims 5 - 8 (Canceled)

9. (Currently Amended) A composite body for absorbing an electromagnetic wave comprising a thermoplastic resin blended with 20-60% by volume of soft magnetic material powder, having a bore) extending from a top face to a bottom face, and wall portions surrounding said bore, wherein

 a portion of said bore located on a side of said bottom face has a smaller cross-sectional area than that of said bore at said top face,

 convex portions are provided at top faces of intersections of said wall portions, and

 concave portions are provided at top faces of said wall portions located between said intersections.

Claims 10 (Canceled)

11. (Previously Presented) A method of manufacturing a composite body for absorbing an electromagnetic wave, comprising the steps of:

kneading a thermoplastic resin consisting of at least one of polypropylene and methylpentene polymer blended with 30-58% by volume of soft magnetic material powder having a scale-like shape and an aspect ratio of 3-20 and a mean particle diameter converted to spherical diameter of 5-50 μm and with 1-9% by volume of a molding assistant and a kneading assistant to provide a kneaded material;

injection-molding said kneaded material to provide a compact; and
cooling said injection-molded compact for solidification without performing steps of degreasing and sintering between the step of injection molding and the step of cooling the injection-molded compact.